

**ALTAMAHA RIVER BASIN
2004 Water Year**

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA

LOCATION.—Lat 33°41'37", long 84°23'27" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03070103, at bridge on Macon Drive, 0.7 miles east of Interstate 75/85, and 0.9 miles north of Cleveland Avenue.

DRAINAGE AREA.—4.80 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-urated (00301)	pH, water, unfltrd field, std units (00400)	
OCT														
21...	0820	--	9	9	81345	3.94	--	2.2	2.9	--	8.7	--	6.5	
21...	0900	--	9	9	81345	3.94	--	2.2	3.2	--	8.7	--	6.5	
JAN														
13...	1120	--	9	9	81345	2.23	--	3.4	5.6	--	9.4	78	6.4	
13...	1125	--	9	9	81345	2.23	--	3.4	4.7	--	9.3	--	6.4	
27...	1130	--	9	9	81345	3.28	--	5.4	6.0	740	10.7	91	6.6	
27...	1155	--	9	9	81345	3.28	--	5.4	6.0	740	10.7	93	6.6	
FEB														
11...	1130	--	9	9	81345	3.23	--	4.3	9.2	747	10.9	95	6.6	
11...	1145	--	9	9	81345	3.23	--	4.3	10	747	10.9	95	6.5	
MAR														
11...	1115	--	9	9	81345	3.23	--	3.4	11	749	10.9	99	6.6	
11...	1145	--	9	9	81345	3.23	--	3.4	7.3	752	11.0	100	6.6	
30...	0830	--	9	J	81345	3.90	--	34	140	742	8.9	91	6.8	
30...	0845	--	9	J	81345	3.90	--	34	170	742	8.9	91	6.9	
APR														
12...	1315	--	9	9	81345	3.22	--	3.7	3.1	742	9.3	99	6.8	
12...	1330	--	9	9	81345	3.22	--	3.7	3.2	742	9.4	100	6.8	
MAY														
12...	0900	--	9	9	81345	3.16	--	3.1	2.4	--	7.8	--	6.9	
12...	0915	--	9	9	81345	3.16	--	3.1	2.4	--	7.8	--	6.9	
26...	0810	--	9	9	81345	3.17	--	2.1	<5.0	747	7.8	90	7.0	
26...	0815	--	9	9	81345	3.17	--	2.1	<5.0	747	7.8	90	6.8	
JUN	22-22	0755	0805	9	J	81345	3.30	--	5.6	110	745	7.3	86	6.7
JUN	22-22	0800	0810	9	J	81345	3.30	--	5.6	110	745	7.3	86	6.7
JUL														
20...	1040	--	9	9	81345	3.17	--	2.5	3.0	748	8.1	95	6.7	
20...	1045	--	9	9	81345	3.17	--	2.5	1.7	748	8.0	93	6.7	
AUG														
09...	0750	--	9	9	81345	3.13	--	2.1	3.8	752	8.4	93	6.8	
09...	0755	--	9	9	81345	3.13	--	2.1	2.7	752	8.4	93	6.8	
SEP	21...	0815	--	9	9	81345	3.17	--	2.5	3.6	741	8.4	89	6.7
SEP	27-27	1240	1300	9	J	81345	3.58	14	--	97	736	7.5	85	7.0
SEP	27-27	1345	1400	9	J	81345	4.04	38	--	240	736	7.7	89	6.9
SEP	27-27	1515	1535	9	J	81345	5.98	348	--	960	735	8.6	99	6.4
SEP	27-27	1710	1745	9	J	81345	6.78	605	--	720	734	8.8	102	7.0
SEP	27-27	1845	1900	9	J	81345	8.36	1240	--	400	735	9.0	104	6.9

ALTAMAHA RIVER BASIN 2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

ALTAMAHA RIVER BASIN 2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Residue								Ortho-phosphate			Total	E. coli,	Fecal
	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	sum of constituents, mg/L (70301)	Residue water, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as P (00613)	Phosphorus water, fltrd, mg/L (00671)	Phosphorus water, fltrd, mg/L (00666)	nitrogen, wat. by anal (62854)	Defined Substr., Tech., MPN/100 mL (50468)	col/100 mL (31625)	
OCT														
21...	21.5	52.5	144	.20	.14	.107	1.25	<.020	<.100	<.10	1.51	--	--	
21...	21.4	52.2	143	.20	.14	.105	1.22	<.020	<.100	<.10	1.48	120	90	
JAN														
13...	19.2	14.1	109	.15	.48	.375	1.63	<.020	<.100	<.10	1.60	86	<3k	
13...	18.6	11.7	100	.14	.49	.380	1.32	<.020	<.100	.14	1.60	--	--	
27...	8.86	6.0	50	.07	.30	.235	.45	<.020	<.100	<.10	2.02	1100	84k	
27...	9.04	6.1	51	.07	.31	.239	.45	<.020	<.100	<.10	2.00	--	--	
FEB														
11...	18.9	43.9	128	.17	.27	.207	1.30	<.020	<.100	.10	1.71	180	E17k	
11...	17.9	43.9	130	.18	.26	.203	1.32	<.020	<.100	<.10	1.69	--	--	
MAR														
11...	18.9	44.2	131	.18	.31	.240	1.14	<.020	<.100	<.10	1.55	3	2k	
11...	19.5	44.2	133	.18	.33	.260	1.12	<.020	<.100	<.10	1.52	--	--	
30...	4.58	30.5	74	.10	.63	.490	.75	.060	<.100	<.10	1.01	3400	2100	
30...	4.54	31.9	77	.10	.63	.490	.74	.060	<.100	<.10	1.22	--	--	
APR														
12...	15.4	31.6	105	.14	.16	.124	.61	<.020	<.100	<.10	.93	140	81	
12...	17.1	31.6	108	.15	.15	.113	.61	.020	<.100	<.10	.88	--	--	
MAY														
12...	19.7	42.0	131	.18	.15	.115	.67	<.020	<.100	<.10	.91	580	510	
12...	25.2	40.8	143	.19	.15	.118	.66	<.020	<.100	<.10	1.05	--	--	
26...	19.9	84.8d	182	.25	.14	.112	1.15d	<.100d	<.100	<.10	1.24	--	--	
26...	23.1	85.3d	186	.25	.15	.116	1.21d	<.100d	<.100	<.10	1.17	440	250	
JUN														
22-22	11.4	28.9	92	.12	.05	.040	.79	<.010	<.050	<.050	--	--	--	
JUN														
22-22	12.0	29.2	95	.13	.06	.050	.79	<.010	<.050	<.050	--	9500	19000	
JUL														
20...	20.0	72.8	158	.22	.17	.130	1.04	<.010	<.050	<.050	1.10	--	--	
20...	19.8	72.8	159	.22	.18	.140	1.04	<.010	<.050	<.050	1.18	100	70	
AUG														
09...	20.5	60.6	148	.20	--	--	.88	<.010	--	--	--	--	--	
09...	<.025	<.1	--	--	--	--	<.03	<.010	--	--	--	180	210	
SEP														
21...	--	23.4	--	--	.21	.160	.85	<.020	<.100	<.10	--	23000	9800k	
SEP														
27-27	--	16.0	--	--	.04	.030	.73	<.020	<.100	<.10	--	6400	9700k	
SEP														
27-27	--	11.1	--	--	.15	.120	.59	.050	<.100	<.10	--	25000	41000	
SEP														
27-27	--	13.4	--	--	.13	.100	.30	.030	<.100	<.10	--	16000	33000	
SEP														
27-27	--	3.9	--	--	--	<.020	.24	.020	<.100	<.10	--	16000	21000	
SEP														
27-27	--	3.2	--	--	--	<.020	.26	<.020	<.100	<.10	--	29000	30000	

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Total	coli-	form,	Stront-
	Defined	Barium, Tech., MPN/100 mL	Iron, water, fltrd, ug/L	ium, water, fltrd, ug/L
OCT				
21...	--	78.5	120	80
21...	4570	78.0	130	80
JAN				
13...	3750	52.5	<100	80
13...	--	57.1	<100	70
27...	3400	45.8	120	40
27...	--	31.2	120	40
FEB				
11...	241	40.9	210	80
11...	--	84.2	200	80
MAR				
11...	85	48.5	120	80
11...	--	84.8	130	90
30...	57000	34.0	<100	40
30...	--	42.9	<100	40
APR				
12...	13000	52.7	<100	60
12...	--	47.8	<100	60
MAY				
12...	21000	52.1	<100	70
12...	--	90.1	<100	80
26...	--	59.4	<100	90
26...	11000	57.2	<100	90
JUN				
22-22	--	--	<50	50
JUN				
22-22	520000	--	<50	50
JUL				
20...	--	--	<50	90
20...	42000	--	<50	90
AUG				
09...	--	--	<50	90
09...	10000	--	<50	<1.25
SEP				
21...	170000	--	--	--
SEP				
27-27	360000	--	--	--
SEP				
27-27	190000	--	--	--
SEP				
27-27	1900000	--	--	--
SEP				
27-27	2300000	--	--	--
SEP				
27-27	1400000	--	--	--

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Conductance, mho/cm (00400)	pH, water, unfltrd field, wat unf 25 degC (00095)	Specific conductance, uS/cm (00010)	Temperature, water, deg C (00010)	Alum inum, water, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
										Specif. conduc-				
OCT														
21...	0821	9	80020	3.94	2.2	2.9	--	8.7	6.5	221	15.0	21	1.75	
21...	0901	9	80020	3.94	2.2	3.2	--	8.7	6.5	221	15.0	23	1.72	
JAN														
13...	1121	9	80020	2.23	3.4	5.6	--	9.4	6.4	229	7.5	38	1.59	
13...	1126	9	80020	2.23	3.4	4.7	--	9.3	6.4	229	7.5	42	1.64	
27...	1131	9	80020	3.28	5.4	6.0	740	10.7	6.6	216	7.0	13	1.23	
27...	1156	9	80020	3.28	5.4	6.0	740	10.7	6.6	216	8.0	13	1.15	
FEB														
11...	1131	9	80020	3.23	4.3	9.2	747	10.9	6.6	235	8.5	16	1.64	
11...	1146	9	80020	3.23	4.3	10	747	10.9	6.5	234	8.5	17	1.68	
MAR														
11...	1146	9	80020	3.23	3.4	7.3	752	11.0	6.6	236	10.5	15	1.66	
30...	0831	J	80020	3.90	34	140	742	8.9	6.8	131	15.0	65	1.07	
30...	0846	J	80020	3.90	34	170	742	8.9	6.9	120	15.0	45	1.21	
APR														
12...	1316	9	80020	3.22	3.7	3.1	742	9.3	6.8	172	17.0	12	.68	
12...	1331	9	80020	3.22	3.7	3.2	742	9.4	6.8	172	17.0	12	.69	
MAY														
12...	0901	9	80020	3.16	3.1	2.4	--	7.8	6.9	208	19.5	13	.65	
12...	0916	9	80020	3.16	3.1	2.4	--	7.8	6.9	208	19.5	13	.67	
26...	0811	9	80020	3.17	2.1	<5.0	747	7.8	7.0	283	21.5	11	2.11	
26...	0816	9	80020	3.17	2.1	<5.0	747	7.8	6.8	284	21.5	11	2.09	
JUN	22-22	0756	J	80020	3.30	5.6	110	745	7.3	6.7	155	22.5	10	.40
JUN	22-22	0801	J	80020	3.30	5.6	110	745	7.3	6.7	155	22.5	10	.37
JUL														
20...	1041	9	80020	3.17	2.5	3.0	748	8.1	6.7	250	22.5	13	1.76	
20...	1046	9	80020	3.17	2.5	1.7	748	8.0	6.7	250	22.0	15	1.80	
AUG														
09...	0751	9	80020	3.13	2.1	3.8	752	8.4	6.8	232	19.5	5	1.43	
09...	0756	9	80020	3.13	2.1	2.7	752	8.4	6.8	232	19.5	6	1.43	
SEP	21...	0816	9	80020	3.17	2.5	3.6	741	8.4	6.7	193	16.5	5	.27
SEP	27-27	1241	J	80020	3.58	--	97	736	7.5	7.0	158	19.5	24	.16
SEP	27-27	1346	J	80020	4.04	--	240	736	7.7	6.9	107	20.5	159	.15
SEP	27-27	1516	J	80020	5.98	--	960	735	8.6	6.4	94	20.5	13	.18
SEP	27-27	1711	J	80020	6.78	--	720	734	8.8	7.0	37	20.5	49	.09
SEP	27-27	1846	J	80020	8.36	--	400	735	9.0	6.9	31	20.5	64	.06

ALTAMAHIA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Chrom- ium, water, ug/L (01030)	Copper, water, ug/L (01040)	Lead, water, ug/L (01049)	Mangan- ese, water, ug/L (01056)	Nickel, water, ug/L (01065)	Silver, water, ug/L (01075)	Zinc, water, ug/L (01090)
OCT							
21...	<.8	18.3	.33	945	10.7	<.2	700
21...	<.8	19.4	.30	952	11.1	<.2	710
JAN							
13...	<.8	15.5	E.07n	907	9.26	<.2	642
13...	<.8	16.0	E.05n	921	9.35	<.2	653
27...	<.8	8.7	.10	628	6.57	<.2	471
27...	<.8	9.3	.10	618	6.50	<.2	451
FEB							
11...	<.8	11.5	E.05n	918	9.68	<.2	612
11...	<.8	12.4	E.06n	942	9.72	<.2	622
MAR							
11...	<.8	13.9	<.08	923d	9.91	<.2	566
30...	<.8	13.4	1.01	250	5.87	<.2	150
30...	<.8	13.5	.72	255	3.39	<.2	151
APR							
12...	<.8	3.0	.12	495	3.71	<.2	241
12...	<.8	3.1	.09	497	3.76	<.2	239
MAY							
12...	<.8	3.1	.22	489	4.72	<.2	201
12...	<.8	3.3	.23	477	4.59	<.2	201
26...	<.8	3.3	E.05n	839	10.3	<.2	585
26...	<.8	2.7	<.08	844	10.0	<.2	580
JUN							
22-22	<.8	3.8	.20	229	2.25	<.2	75.9
JUN							
22-22	<.8	3.8	.20	228	2.25	<.2	72.4
JUL							
20...	<.8	6.9	<.08	1010d	11.5	<.2	586
20...	2.0	6.8	<.08	1020d	11.4	<.2	594
AUG							
09...	<.8	2.5	<.08	838	8.31	<.2	507
09...	<.8	2.4	<.08	847	8.51	<.2	515
SEP							
21...	<.8	1.5	<.08	301	2.17	<.2	99.1
SEP							
27-27	<.8	4.3	.14	185	1.90	<.2	44.2
SEP							
27-27	E.5n	7.1	1.14	165	1.89	<.2	40.0
SEP							
27-27	<.8	2.4	.11	149	1.21	<.2	27.3
SEP							
27-27	<.8	3.8	.67	46.4	.80	<.2	17.1
SEP							
27-27	<.8	4.0	.49	38.4	.75	<.2	14.4

ALTAMAHIA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	End time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, IR LED	Barometric light, det ang 90 deg, FNU (63680)	Dissolved pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)
OCT 21...	0901	--	80020	3.94	2.2	3.2	--	8.7	--	6.5	221	15.0	<.5	
JAN 13...	1121	--	80020	2.23	3.4	5.6	--	9.4	78	6.4	229	7.5	E.1	
27...	1131	--	80020	3.28	5.4	6.0	740	10.7	91	6.6	216	7.0	<.5	
FEB 11...	1131	--	80020	3.23	4.3	9.2	747	10.9	95	6.6	235	8.5	<.5	
MAR 30...	0831	--	80020	3.90	34	140	742	8.9	91	6.8	131	15.0	<.5mc	
APR 12...	1316	--	80020	3.22	3.7	3.1	742	9.3	99	6.8	172	17.0	<.5	
MAY 12...	0901	--	80020	3.16	3.1	2.4	--	7.8	--	6.9	208	19.5	<.5	
26...	0816	--	80020	3.17	2.1	<5.0	747	7.8	90	6.8	284	21.5	<.5	
JUN 22-22	0801	0811	80020	3.30	5.6	110	745	7.3	86	6.7	155	22.5	<.5	
JUL 20...	1046	--	80020	3.17	2.5	1.7	748	8.0	93	6.7	250	22.0	<.5	
AUG 09...	0756	--	80020	3.13	2.1	2.7	752	8.4	93	6.8	232	19.5	<.5	
SEP 21...	0816	--	80020	3.17	2.5	3.6	741	8.4	89	6.7	193	16.5	Mt	
SEP 27-27	1241	1301	80020	3.58	--	97	736	7.5	85	7.0	158	19.5	<.5mc	
SEP 27-27	1346	1401	80020	4.04	--	240	736	7.7	89	6.9	107	20.5	<.5	
SEP 27-27	1516	1536	80020	5.98	--	960	735	8.6	99	6.4	94	20.5	<.5	
SEP 27-27	1711	1746	80020	6.78	--	720	734	8.8	102	7.0	37	20.5	<.5	
SEP 27-27	1846	1901	80020	8.36	--	400	735	9.0	104	6.9	31	20.5	Mt	

Date	1-Methyl-2,6-Dimethyl-naphthalene, water, fltrd, ug/L (62054)	2-Methyl-naphthalene, water, fltrd, ug/L (62055)	3-Methyl-naphthalene, water, fltrd, ug/L (62056)	3-beta-Coprosphanol, water, fltrd, ug/L (62057)	Methyl-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyphenol, water, fltrd, ug/L (62059)	4-Cumyl-Octyl-phenol, water, fltrd, ug/L (62060)	4-Nonyl-Octyl-phenol, water, fltrd, ug/L (62061)	4-tert-Octyl-benzo-phenol, water, fltrd, ug/L (62085)	5-Methyl-1H-Anthra-quinone, water, fltrd, ug/L (62062)	9,10-Anthra-quinone, water, fltrd, ug/L (62063)	Acetophenone, water, fltrd, ug/L (62064)	
OCT 21...	<.5	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
JAN 13...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	E.1	<.5
27...	E.2	E.2	E.3	<2	M	<5	<1	<1	E2	<1	<2	E.1	E.1
FEB 11...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	<.5	<.5
MAR 30...	E.1	E.1	E.1	E2	M	<5mc	M	<1	E3mc	<1	<2	E1.2	E.6
APR 12...	<.5	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.1	E.2
MAY 12...	<.5	<.5	<.5	<2	<1	<5	M	<1	E2	<1	<2	E.2	<.5
26...	<.5	<.5	<.5	<2	M	<5	<1	<1	E2	<1	<2	<.5	<.5
JUN 22-22	<.5	<.5	<.5	E1	M	<5	<1	<1	E2	M	<2	E.2	<.5
JUL 20...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	<.5
AUG 09...	<.5	<.5	<.5	<2	<1	<5	<1	<1	Mt	<1	<2	<.5	<.5
SEP 21...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	Mt	<1	<2	E.1t	E.1t
SEP 27-27	<.5	<.5	<.5	Mt	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5
SEP 27-27	<.5	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	.7	<.5
SEP 27-27	E.1t	<.5	E.1t	Mt	Mt	<5	<1	<1	<5	<1	<2	E.3t	<.5
SEP 27-27	Mt	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5
SEP 27-27	<.5	<.5	<.5	E1t	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5

OCT 21...	<.5	<.5	<.5	M	<1	<5	<1	<1	E1	<1	<2	<.5	<.5
JAN 13...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	E.1	<.5
27...	E.2	E.2	E.3	<2	M	<5	<1	<1	E2	<1	<2	E.1	E.1
FEB 11...	<.5	<.5	<.5	M	M	<5	<1	<1	E1	<1	<2	<.5	<.5
MAR 30...	E.1	E.1	E.1	E2	M	<5mc	M	<1	E3mc	<1	<2	E1.2	E.6
APR 12...	<.5	<.5	<.5	<2	M	<5	<1	<1	E1	<1	<2	E.1	E.2
MAY 12...	<.5	<.5	<.5	<2	<1	<5	M	<1	E2	<1	<2	E.2	<.5
26...	<.5	<.5	<.5	<2	M	<5	<1	<1	E2	<1	<2	<.5	<.5
JUN 22-22	<.5	<.5	<.5	E1	M	<5	<1	<1	E2	M	<2	E.2	<.5
JUL 20...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	<.5
AUG 09...	<.5	<.5	<.5	<2	<1	<5	<1	<1	Mt	<1	<2	<.5	<.5
SEP 21...	<.5	<.5	<.5	<2	Mt	<5	<1	<1	Mt	<1	<2	E.1t	E.1t
SEP 27-27	<.5	<.5	<.5	Mt	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5
SEP 27-27	<.5	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	.7	<.5
SEP 27-27	E.1t	<.5	E.1t	Mt	Mt	<5	<1	<1	<5	<1	<2	E.3t	<.5
SEP 27-27	Mt	<.5	<.5	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5
SEP 27-27	<.5	<.5	<.5	E1t	<1	<5mc	<1	<1	<5mc	<1	<2	E.2t	<.5

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	AHTN, water, ug/L (62065)	Anthra- cene, water, ug/L (34221)	Benzo- [a]- pyrene, water, ug/L (34248)	Benzo- phenone, water, ug/L (62067)	beta-Sitos- terol, water, ug/L (62068)	beta-Stigma- stanol, water, ug/L (62086)	Bisphe- nol A, water, ug/L (62069)	Bromo- cile, water, ug/L (04029)	Caf- feine, water, ug/L (50305)	Camphor, water, ug/L (62070)	Car- baryl, water, ug/L (82680)	Carba- zole, water, ug/L (62071)	Chlor- pyrifos, water, ug/L (38933)
OCT 21...	E.4	<.5	<.5	<.5	<2	M	<1	1.2	E.2	<.5	<1	<.5	<.5
JAN 13...	E.3	<.5	<.5	E.1	<2	M	M	.7	.6	M	<1	<.5	<.5
27...	E.1	M	<.5	<.5	<2	<2	M	.8	.5	<.5	<1	E.1	<.5
FEB 11...	E.1	<.5	<.5	E.1	<2	<2	<1	.8	E.3	M	<1	<.5	<.5
MAR 30...	E.1	<.5	<.5	E.1	<2	<2	E1	2.7	E1.8	E.1	<1mc	E.2	<.5
APR 12...	E.1	M	<.5	E.1	<2	<2	<1	.8	E.4	E.1	<1	M	<.5
MAY 12...	E.1	<.5	<.5	E.1	<2	<2	1	1.6	E.4	E.1	<1	<.5	<.5
26...	E.1	<.5	<.5	<.5	<2	<2	<1	1.0	E.2	E.1	<1	<.5	<.5
JUN 22-22	E.1	E.1	<.5	E.1	<2	<2	2	1.1	E.2	M	M	E.1	<.5
JUL 20...	E.1t	E.1t	<.5	<.5	<2	<2	Mt	1.0	E.1t	E.1t	<1	<.5	<.5
AUG 09...	<.5	<.5	<.5	<.5	<2	<2	Mt	.7	E.1t	Mt	<1	<.5	<.5
SEP 21...	E.1t	Mt	<.5	Mt	<2	<2	Mt	.6	E.2t	Mt	<1	<.5	<.5
SEP 27-27	<.5	<.5	<.5	<.5	Mt	<2	Mt	.5	1.1	<.5	<1mc	<.5	<.5
SEP 27-27	<.5	<.5	<.5	<.5	Elt	Mt	Mt	E.3t	1.3	<.5	<1	E.1t	<.5
SEP 27-27	<.5	<.5	<.5	<.5	Elt	Mt	<1	<.5	.7	<.5	Mt	E.1t	<.5
SEP 27-27	<.5	<.5	<.5	<.5	Mt	Mt	Mt	<.5	E.3t	<.5	Mt	<.5	<.5
SEP 27-27	<.5	<.5	<.5	<.5	Elt	Elt	<1	<.5	E.2t	<.5	Mmtc	<.5	<.5

Date	Choles- terol, ug/L (62072)	Cot- inine, water, ug/L (62005)	DEET, water, ug/L (62082)	Diazi- nonyl- phenol, water, ug/L (39572)	Diethoxy- octyl- phenol, water, ug/L (62083)	D-Limo- nene, water, ug/L (61705)	Ethoxy- octyl- phenol, water, ug/L (62073)	Ethoxy- anthene, water, ug/L (61706)	Fluor- HHCB, water, ug/L (34377)	Indole, water, ug/L (62075)	Isobor- neol, water, ug/L (62076)	Iso- phorone, water, ug/L (62077)	
OCT 21...	M <1.00	E.1	<.5	E4	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5
JAN 13...	M E.1500	E.1	<.5	E2	M	<.5	<1	M	E.1	M	<.5	<.5	<.5
27...	<2 <1.00	E.2	<.5	E2	<1	<.5	<1	M	E.1	E.1	<.5	<.5	E.1
FEB 11...	E1 <1.00	E.1	<.5	E2	<1	<.5	<1	M	E.1	E.1	<.5	<.5	<.5
MAR 30...	E3 <1.00	E.3	<.5	E14mc	Mmc	<.5mc	Mmc	E.1	M	E.1	<.5	<.5	E.2
APR 12...	<2 <1.00	E.1	<.5	E2	<1	<.5	<1	M	E.1	E.1	M	<.5	M
MAY 12...	E1 E.4000	E.2	<.5	E7	M	<.5	E1	E.1	<.5	<.5	<.5	<.5	<.5
26...	E1 <1.00	E.2	<.5	E4	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5
JUN 22-22	E2 <1.00	E.2	E.1	E4	<1	<.5	<1	E.1	<.5	<.5	<.5	<.5	E.1
JUL 20...	<2 <1.00	E.2t	<.5	E5t	<1	<.5	<1	<.5	<.5	<.5	E.1t	<.5	<.5
AUG 09...	<2 <1.00	E.1t	<.5	E3t	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5
SEP 21...	<2 E.2100t	E.2t	<.5	E3t	<1	Mt	<1	Mt	Mt	Mt	Mt	Mt	<.5
SEP 27-27	Elt <1.00	E.3t	<.5	<5mc	<1mc	<.5mc	<1mc	<.5	<.5	<.5	<.5	<.5	<.5
SEP 27-27	E2t <1.00	.5	<.5	<5	Mt	<.5	<1	E.1t	<.5	<.5	<.5	<.5	<.5
SEP 27-27	E2t <1.00	E.3t	<.5	<5	Mt	E.1n	<1	E.1t	<.5	<.5	<.5	<.5	E.1t
SEP 27-27	E2t <1.00	E.3t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	<.5	<.5	Mt
SEP 27-27	E3 <1.00	1.6	<.5	<5mc	Mt	<.5mc	Mmtc	Mt	<.5	<.5	<.5	<.5	Mt

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Iso-propylbenzene water, fltrd, ug/L (62078)	Iso-quinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)
OCT 21...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.3	<.5	<.5
JAN 13...	<.5	<.5	E.2	<.5	<.5	<.5	<.5	M	<2	M	E.3	<.5	M
27...	<.5	<.5	E.2	<.5	<.5	<.5	E.1	M	<2	E.1	1.3	<.5	M
FEB 11...	<.5	<.5	<.5	<.5	<.5	<.5	E.1	M	<2	<.5	2.3	<.5	M
MAR 30...	<.5mc	<.5	E.4	<.5	E.1	<.5	E.1	E1	E4mc	E.1	E1.5	<.5	E.1
APR 12...	<.5	<.5	E.1	<.5	M	<.5	<.5	M	E1	M	E.4	<.5	M
MAY 12...	<.5	<.5	E.1	<.5	<.5	<.5	<.5	M	M	<.5	.7	<.5	E.1
26...	<.5	<.5	<.5	<.5	<.5	E.1	<.5	M	<2	<.5	.7	<.5	E.2
JUN 22-22	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	E1	M	E.4	<.5	E.1
JUL 20...	<.5	<.5	E.1t	<.5	E.1t	<.5	<.5	Mt	<2	Mt	.6	<.5	<.5
AUG 09...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	1.0	<.5	<.5
SEP 21...	<.5	<.5	E.1t	<.5	Mt	<.5	<.5	Mt	Mt	<.5	1.6	<.5	Mt
SEP 27-27	<.5mc	<.5	E.2t	<.5	E.1t	<.5	<.5	<1	<2mc	<.5	<.5	<.5	<.5
SEP 27-27	<.5	<.5	<.5	<.5	E.1t	<.5	<.5	<1	<2	<.5	.9	<.5	E.1t
SEP 27-27	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.4	<.5	E.1t
SEP 27-27	<.5	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.7	<.5	E.1t
SEP 27-27	<.5mc	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	Mt	1.2	<.5	Mt

Date	Tetra-chloroethene, water, fltrd, ug/L (34476)	Tri-bromoethene, water, fltrd, ug/L (34288)	Tri-phosphate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate, water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phos-phate, water, fltrd, ug/L (62093)	Tris(2-chloroethyl) phos-phate, water, fltrd, ug/L (62087)	Tris(chlorovinyl) phos-phate, water, fltrd, ug/L (62088)	Tris(di-chlorovinyl) phos-phate, water, fltrd, ug/L (38775)
OCT 21...	E.1	<.5	<.5	<1	<.5	E.1	<.5	<.5	E.2	<1.00
JAN 13...	E.1	M	E.1	M	E.1	E.1	E.3	E.2	E.1	<1.00
27...	E.1	<.5	E.2	M	<.5	E.1	1.3	2.0	E.3	<1.00
FEB 11...	E.1	<.5	E.1	M	<.5	E.1	.9	E.2	E.1	<1.00
MAR 30...	Mmc	E.1mc	E.6	M	<.5	E.3	5.8	E.6	E.5	<1.00mc
APR 12...	E.1	E.1	E.1	<1	<.5	E.1	.7	E.2	E.2	<1.00
MAY 12...	E.1	E.1	E.2	M	<.5	E.1	.7	E.3	E.5	<1.00
26...	E.1	<.5	<.5	<1	<.5	E.1	.6	E.1	E.2	<1.00
JUN 22-22	M	<.5	.5	<1	<.5	E.4	1.0	E.4	E.2	<1.00
JUL 20...	Mt	<.5	<.5	<1	<.5	<.5	E1.4	E.2t	E.2t	--u
AUG 09...	<.5	<.5	<.5	<1	<.5	E.1n	E.4t	<.5	E.2t	--u
SEP 21...	E.1t	<.5	E.1t	Mt	E.1t	E.1n	E.2t	E.1t	E.1t	--u
SEP 27-27	E.1t	<.5mc	<.5	<1	<.5	<.5	.8	<.5	E.1t	<1.00mc
SEP 27-27	E.2t	<.5	<.5	<1	<.5	<.5	1.0	<.5	E.2t	<1.00
SEP 27-27	<.5	<.5	E.2t	<1	<.5	E.3n	1.0	E.2t	E.4t	<1.00
SEP 27-27	<.5	<.5	E.4t	<1	<.5	E.2n	.5	E.4t	E.4t	<1.00
SEP 27-27	<.5	<.5mc	.6	<1	<.5	E.1n	<.5	E.4t	E.3t	<1.00

ALTAMAHIA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Time	End time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-charge, cfs (00060)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, IR LED light, 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
OCT													
21...	0820	--	1	9	81350	3.94	--	2.2	2.9	--	8.7	--	6.5
JAN													
13...	1120	--	1	9	81350	2.23	--	3.4	4.7	--	9.3	--	6.4
13...	1125	--	1	9	81350	2.23	--	3.4	4.7	--	9.3	--	6.4
27...	1157	--	1	9	81350	3.28	--	5.4	6.0	740	10.7	93	6.6
FEB													
11...	1147	--	1	9	81350	3.23	--	4.3	10	747	10.9	95	6.5
MAR													
11...	1147	--	1	9	81350	3.23	--	3.4	7.3	752	11.0	100	6.6
30...	0832	--	1	J	81350	3.90	--	34	140	742	8.9	91	6.8
30...	0847	--	1	J	81350	3.90	--	34	170	742	8.9	91	6.9
APR													
12...	1332	--	1	9	81350	3.22	--	3.7	3.2	742	9.4	100	6.8
MAY													
12...	0917	--	1	9	81350	3.16	--	3.1	2.4	--	7.8	--	6.9
26...	0812	--	1	9	81350	3.17	--	2.1	<5.0	747	7.8	90	7.0
JUN													
22-22	0757	0807	1	J	81350	3.30	--	5.6	110	745	7.3	86	6.7
JUN													
22-22	0802	0812	1	J	81350	3.30	--	5.6	110	745	7.3	86	6.7
JUL													
20...	1042	--	1	9	81350	3.17	--	2.5	3.0	748	8.1	95	6.7
AUG													
09...	0752	--	1	9	81350	3.13	--	2.1	3.8	752	8.4	93	6.8
SEP													
21...	0817	--	1	9	81350	3.17	--	2.5	3.6	741	8.4	89	6.7
SEP													
27-27	1242	1302	1	J	81350	3.58	14	--	97	736	7.5	85	7.0
SEP													
27-27	1347	1402	1	J	81350	4.04	38	--	240	736	7.7	89	6.9
SEP													
27-27	1517	1537	1	J	81350	5.98	348	--	960	735	8.6	99	6.4
SEP													
27-27	1712	1747	1	J	81350	6.78	605	--	720	734	8.8	102	7.0
SEP													
27-27	1847	1902	1	J	81350	8.36	1240	--	400	735	9.0	104	6.9

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Specif. conduc- tance, wat unf 25 degC (00095)	Temper- ature, water, deg C (00010)	Alum- inum, susrnd (30221)	Anti- mony, susrnd (29816)	Arsenic susrnd (29818)	Barium, susrnd (29820)	Beryll- ium, susrnd (29822)	Cadmium susrnd (29826)	Chrom- ium, susrnd (29829)	Cobalt, susrnd (35031)	Copper, susrnd (29832)	Iron, susrnd (30269)	Lead, susrnd (29836)
OCT													
21...	221	15.0	3.8	2.0	3.7	200	6	7.5	58	45	520	3.9	95
JAN													
13...	229	7.5	17	2.0	9.0	160	34	2.7	52	7	2700	8.0	170
13...	229	7.5	17	2.0	9.0	160	34	2.7	52	--	2700	8.0	170
27...	216	8.0	13	4.5	20	390	19	4.5	120	13	1700	9.2	340
FEB													
11...	234	8.5	16	1.5	8.9	100	28	3.1	60	8	2600	5.7	190
MAR													
11...	236	10.5	14	.8	8.1	130	28	2.9	47	8	2300	6.0	160
30...	131	15.0	8.9	6.5	77	360	5	10	220	23	400	6.0	310
30...	120	15.0	11	7.2	110	360	6	6.8	190	18	450	5.8	370
APR													
12...	172	17.0	4.5	2.7	10	220	4	8.9	160	23	640	6.0	86
MAY													
12...	208	19.5	5.4	4.9	11	270	3	15	--o	30	510	5.5	170
26...	283	21.5	5.0	3.7	9.6	230	4	15	400	43	1200	5.0	200
JUN													
22-22	155	22.5	13	1.9	14	470	3	5.7	200	49	150	7.0	290
JUN													
22-22	155	22.5	4.1	5.1	6.4	120	M	1.9	36	14	66	2.2	28
JUL													
20...	250	22.5	6.5	6.0	8.5	190	8	7.3	170	62	1900	5.4	200
AUG													
09...	232	19.5	6.2	2.1	10	270	5	7.2	140	40	1000	5.6	150
SEP													
21...	193	16.5	7.3	1.7	9.8	350	2	9.7	160	21	170	5.5	77
SEP													
27-27	158	19.5	6.2	2.0	6.9	390	2	2.2	54	35	88	4.1	56
SEP													
27-27	107	20.5	8.4	2.7	5.8	330	2	1.1	66	26	82	4.5	69
SEP													
27-27	94	20.5	6.9	1.2	6.4	200	2	.5	64	16	58	3.7	62
SEP													
27-27	37	20.5	6.1	.9	3.4	200	1	.4	66	14	44	3.2	55
SEP													
27-27	31	20.5	5.9	.8	4.0	220	1	.2	65	14	41	3.3	51

ALTAMAHIA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Lithium suspd sedimnt total, ug/g (35050)	Mangan- ese, suspd sedimnt total, ug/g (29839)	Mercury suspd sedimnt total, ug/g (29841)	Molyb- denum, suspd sedimnt total, ug/g (29843)	Nickel, suspd sedimnt total, ug/g (29845)	Selen- ium, suspd sedimnt total, ug/g (29847)	Silver, suspd sedimnt total, ug/g (29850)	Stront- ium, suspd sedimnt total, ug/g (35040)	Thall- ium, suspd sedimnt total, ug/g (49955)	Titan- ium, suspd sedimnt total, percent (30317)	Vanad- ium, suspd sedimnt total, ug/g (29853)	Zinc, suspd sedimnt total, ug/g (29855)	Uranium suspd sedimnt total, ug/g (35046)
OCT													
21...	21	3200	.10	19	72	1	<.5	270	<50	.120	45	3000	<50
JAN													
13...	8	230	.45	42	18	1	<1	23	<100	.100	39	2000	<100
13...	8	230	.45	42	18	1	<1	23	<100	.100	39	2000	<100
27...	20	410	--o	18	36	3	2	32	<100	.230	99	2300	<100
FEB													
11...	7	410	.33	38	15	2	<1	41	<100	.082	31	2400	<100
MAR													
11...	7	490	.33	33	20	1	<1	50	<100	.080	34	2300	<100
30...	43	1800	.55	120	52	10	2	91	<100	.350	100	1700	<100
30...	30	1100	.59	130	40	13	2	48	<50	.370	110	1500	<50
APR													
12...	33	2300	--o	49	99	2	M	250	<50	.140	50	2100	<50
MAY													
12...	61	2100	.26	--o	--o	3	<1	250	<100	.250	79	1900	<100
26...	77	3500	.15	84	270	6	<1	240	<100	.200	70	2900	<100
JUN													
22-22	50	5100	.21	87	150	2	<2	76	<150	.540	190	1500	<150
JUN													
22-22	46	1500	--o	310	31	4	<1	330	<100	.150	59	600	<100
JUL													
20...	23	4400	.32	49	130	2	<1	230	<100	.200	66	3200	<100
AUG													
09...	25	3200	.21	25	110	2	<1	280	<100	.190	81	2700	<100
SEP													
21...	25	1400	1.3	17	85	2	1	220	<100	.300	100	1100	<100
SEP													
27-27	23	3400	.15	12	26	2	<2	280	<150	.260	81	710	<150
SEP													
27-27	24	1900	.14	6	30	1	<1	120	<100	.380	110	480	<100
SEP													
27-27	18	620	.16	11	24	M	<.5	65	<50	.380	98	240	<50
SEP													
27-27	15	620	.08	3	25	M	<.5	72	<50	.320	87	250	<50
SEP													
27-27	15	630	.07	3	26	M	<.5	73	<50	.420	87	200	<50

ALTAMAHA RIVER BASIN
2004 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, NEAR HAPEVILLE, GA—continued.

Date	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
OCT	
21...	3
JAN	
13...	48
13...	48
27...	3
FEB	
11...	8
MAR	
11...	7
30...	90
30...	100
APR	
12...	1
MAY	
12...	2
26...	2
JUN	
22-22	20
JUN	
22-22	216
JUL	
20...	3
AUG	
09...	2
SEP	
21...	2
SEP	
27-27	172
SEP	
27-27	410
SEP	
27-27	2950
SEP	
27-27	2340
SEP	
27-27	3430

Remark codes used in this table:

< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Null value qualifier codes used in this table:

o -- Insufficient amount of water
u -- Unable to determine-matrix interference

Value qualifier codes used in this table:

c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Value is highly variable by this method
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL